

Abstract of the Disclosure

A fuel injector includes a seat, a movable member cooperating with the seat, and an orifice plate. The orifice plate includes a member and an orifice penetrating the member. The member includes first and second generally parallel surfaces. The first surface generally confronts the valve seat, and the second surface faces opposite the first surface. The orifice is defined by a wall that couples the first and second surfaces. The wall includes a first portion that extends from the first surface and a second portion extending between the first portion and the second surface. The first portion of the wall extends at a first oblique angle with respect to the first surface, and the first oblique angle varies so as to define an asymmetrical chamfer. The second portion of the wall defines a cylinder extending along an axis at a second oblique angle with respect to the second surface.